

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claim 11, 12, 16 and 17 without prejudice.

Listing of Claims:

1-7. (Cancelled)

8. (Currently amended) Connector system comprising:

a first electrical connector ~~part~~ on a first electronic device; and

a cable assembly comprising a cable and a second electrical connector ~~part~~ connected to an end of said cable, wherein said second electrical connector ~~part~~ is adapted to be directly connected to the first electrical connector ~~part~~, and wherein said cable extends directly away from said second electrical connector,

wherein said first electrical connector ~~part~~ comprises a power supply line and a plurality of contacts, wherein said second electrical connector ~~part~~ comprises a plurality of corresponding contacts and an active electronic circuit inside said second electrical connector, and wherein said active electronic circuit comprises an active equalization device adapted to improve quality of signals transmitted from said first electrical connector to said second electrical connector, wherein said electronic circuit of said second electrical

connector ~~part~~ is powered, in operation, by said power supply line of said first electrical connector ~~part~~, wherein said power supply line is solely dedicated to direct supply power to said active electronic circuit inside said second electrical connector, and wherein said second electrical connector ~~part~~ prevents substantive voltage from said power supply line from being carried by said cable ~~to a third part.~~

9. (Currently amended) Connector system of claim 8, wherein said power supply line is connected to at least one ground contact of said first electrical connector ~~part~~ and extendeds into said second electrical connector ~~part~~ by a connection between said ground contact and a corresponding ground contact of said second electrical connector ~~part~~.

10. (Currently amended) Connector system according to claim 8, wherein said first electrical connector ~~part~~ is directly on a device board.

11. (Cancelled)

12. (Cancelled)

13. (Currently amended) An electronic component assembly comprising:

a device board; and

a connector system comprising a first ~~part~~ electrical connector mounted on the device board, and a second electrical connector ~~part~~ removably connected directly to the first ~~part~~ electrical connector,

wherein said first ~~part~~ electrical connector comprises a plurality of contacts, wherein the first ~~part~~ electrical connector and/or the device board comprise a power supply line, wherein said second electrical connector ~~part~~ comprises a plurality of corresponding contacts and an active electronic circuit, wherein said active electronic circuit comprises an active equalization device adapted to improve quality of signals transmitted from said first electrical connector to said second electrical connector, wherein said power line is adapted to be coupled to said electronic circuit such that said electronic circuit of said second electrical connector ~~part~~ is adapted to be powered, in operation, by said power supply line, wherein said power supply line is solely dedicated to direct supply power to said active electronic circuit inside said second electrical connector and wherein said second electrical connector ~~part~~ allows voltage from said power supply line to be used only for powering said electronic circuit of said second electrical connector ~~part~~.

14. (Currently amended) Connector system according to claim 8, wherein the first electrical connector ~~part~~ comprises at least a portion of a the device board.

15. (Currently amended) Connector system comprising:

a first connector part comprising a printed circuit board and a first electrical connector; and

a second connector part adapted to be connected to the first connector part, wherein said second connector part

comprises an a second electrical connector adapted to be directly connect to the first electrical connector,

wherein said first connector part comprises a power supply line and a plurality of contacts, wherein said second electrical connector ~~part~~ comprises a plurality of corresponding contacts and an active electronic circuit inside the second electrical connector, wherein said electronic circuit of said second connector part is powered, in operation, by said power supply line of said first connector part, wherein said active electronic circuit comprises an active equalization device adapted to improve quality of signals transmitted from said first electrical connector to said second electrical connector, wherein said power supply line is solely dedicated to direct supply power to said active electronic circuit inside said second electrical connector, and wherein said second connector part is adapted to limit supply of voltage from said power supply line to only said electronic circuit in said second connector part.

16. (Cancelled)

17. (Cancelled)